

AMENDMENTS TO THE CLAIMS

What is claimed is:

Claim 1 (Currently Amended) A method for use in delivering network messages, the method comprising:

attempting to identify a router that a first host can communicate with; and

if the attempt fails, attempting to identify at least one host that the first host can communicate with, the at least one host having a network layer address network prefix that differs from ~~the~~ a network layer address network prefix of the first host.

AR
Claim 2 (Original) The method of claim 1, wherein attempting to identify the router comprises waiting for a router availability message.

Claim 3 (Original) The method of claim 2, wherein waiting for the router availability message comprises waiting for a message addressed to a multicast address.

Claim 4 (Original) The method of claim 1, wherein attempting to identify the router comprises sending a message querying for available routers.

Claim 5 (Currently Amended) The method of claim 1, further comprising sending a message to ~~the second host~~ the at least one host.

Claim 6 (Original) The method of claim 1, wherein attempting to identify the router comprises attempting to identify a router providing a first set of services.

Claim 7 (Original) The method of claim 6, wherein attempting to identify a router comprises attempting to identify a router providing a second set of services.

Claim 8 (Currently Amended) The method of claim 1, further comprising:

determining an Internet Protocol address of ~~the second host~~ the at least one host; and

modifying a forwarding table to include an entry for ~~the second host~~ the at least one host.

Claim 9 (Original) The method of claim 1, wherein the router comprises a foreign agent.

Claim 10 (Original) The method of claim 1, wherein the first host comprises a wireless host.

Claim 11 (Original) The method of claim 10, wherein the at least one host comprises at least one wireless host.

Claim 12 (Original) A computer program product, disposed on a computer readable medium, for use in delivering network messages, the computer program including instructions for causing a processor to.

attempt to identify a router that a first host can communicate with; and

if the attempt fails, attempt to identify at least one host that the first host can communicate with, the at least one host having a network layer address network prefix that differs from the network layer address network prefix of the first host.

Claim 13 (Original) The computer program of claim 12, wherein the instructions for causing the processor to attempt to identify the router comprise instructions for causing the processor to wait for a router availability message.

Claim 14 (Original) The computer program of claim 13, wherein the instructions for causing the processor to wait for the router availability message comprise instructions for causing the processor to wait for a message addressed to a multicast address.

Claim 15 (Original) The computer program of claim 12, wherein the instructions for causing the processor to attempt to identify the router comprise instructions for causing a processor to send a message querying for available routers.

Claim 16 (Currently Amended) The computer program of claim 12, further comprising instructions for causing the processor to send a message to ~~the second host~~ the at least one host.

Claim 17 (Original) The computer program of claim 12, wherein the instructions for causing the processor to attempt to identify the router comprise instructions for causing the processor to attempt to identify a router providing a first set of services.

Claim 18 (Original) The computer program of claim 17, wherein the instructions for causing the processor to attempt to identify a router comprise instructions for causing the processor to attempt to identify a router providing a second set of services.

an 19 (Currently Amended) The computer program of claim 12, further comprising instructions for causing the processor to:

determine an Internet Protocol address of ~~the second host~~ the at least one host; and
modify a forwarding table to include an entry for ~~the second host~~ the at least one host.

Claim 20 (Original) The computer program of claim 12, wherein the router comprises a foreign agent.

Claim 21 (Original) The computer program of claim 12, wherein the first host comprises a wireless host.
